



# Android Coding Challenge

## Your Task

Your task if you choose to accept it, is to recreate the Channels view that is on the Mindvalley app.

## Requirements

- The minimum SDK supported is API 19.
- The app should be written in Kotlin programming language.
- Add unit and UI tests.
- There are 3 sections. **New Episodes**, **Channels**, and **Categories**.
  - These 3 sections should be shown in one view as shown in the design, in that order.
- The channels section has two different design types.
  - One is for type Course and the other is for type Series. An example of a Series is "Mindvalley on Stage". Example of a Course is "Impact at Work"
  - To differentiate between a Series and a Course, take a look at the Channels object in the JSON provided and follow the pseudocode below

**If** the **Series** object inside **Channels** exists

show the **Series** design

**else**

show the **Course Design**.

- New Episodes and Channels should be horizontally scrollable with a maximum of 6 being shown per row.
- The Course and Series click events do not need to be handled



- All the data should be loaded from the provided API calls.
- Images should be cached efficiently.
- The app should implement a local database to support offline mode.
- The app should implement pull to refresh.
- API Requests/data loading and showing should be done in a way to give the user the best experience. Keep in mind the JSON provided might have some data missing in some instances, so these cases should be handled gracefully to provide a good UX
- It should be responsive to all phone sizes.
- Use version control system (Git). We would like to see the Git history.
- The App should be production-ready.

## Bonus

- Supporting tablet sizes is an advantage
- Having some animations to make the user experience better is an advantage

## Design

- You will need to Sign Up for Figma to see the design details. ([Link](#))
- Follow the measurements/colors provided on Figma for the views.
- For the font, you can use Roboto with the provided font sizes.

## API

- There is an API in JSON format for each section.
  - New Episodes Section ([link](#))
  - Channels Section ([link](#))
  - Categories Section ([link](#))



## Expected Output

- The app should be able to run on any device running API 19 and above. Please make sure the app can be compiled directly from the latest version of Android Studio and the latest version of Kotlin.
- You can share the code by sending it in a zipped file via email, or just sharing the link via Google Drive or Dropbox, or any other file sharing platform. **Github/Bitbucket/GitLab repos are NOT ACCEPTED.**
- We would be expecting a README file for the project with the following questions answered:
  - What parts of the test did you find challenging and why?
  - What feature would you like to add in the future to improve the project?



## Evaluation Criteria

### Readability

- Class and method names should clearly show their intent and responsibility.

### Design

- Should match the measurements and colors of the views in the design

### Maintainability

- "SOLID" Principles and design patterns.
- Can use any design pattern the candidate is familiar with

### Scalability

- Your software should easily accommodate possible future requirement changes

### Testability

- Please accompany your code with test classes.